

# Simplifying Operations with Cisco's Unified Platform



# Another massive technology disruption

Internet

Mobility

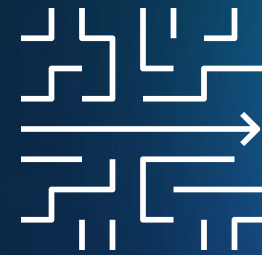
Cloud

AI

The background is a dark blue field filled with a complex network of glowing lines and nodes. The lines are in various colors, including purple, pink, orange, and light blue, and they curve and flow across the frame. The nodes are small circles and squares, some of which are also glowing. The overall effect is one of a dynamic, high-tech digital environment.

Traditional operations won't  
keep up

Operational simplicity  
powered by AI





# Unifying our platforms to simplify operations

## Catalyst

Catalyst Center

Catalyst License

Catalyst Hardware

MANAGEMENT

LICENSE

CISCO HARDWARE

## Meraki

Meraki Dashboard

Meraki License

Meraki Hardware

# Our unified platform

## PLATFORM

Management

Assurance

API / Integrations

Intelligence - AgenticOps

## HARDWARE



Smart  
Switches



Secure  
Routers



Wireless



Industrial  
IoT

INTRODUCING

# AgenticOps

Agent-First Operations

**Purpose-Built Decision Model with Continuous Learning**

**Cross Domain Operations**

**Autonomy with oversight**

# Deep Network Model

## The most advanced networking LLM

### Purpose-Built for Networking

20% more precise reasoning for troubleshooting, configuration, and automation.

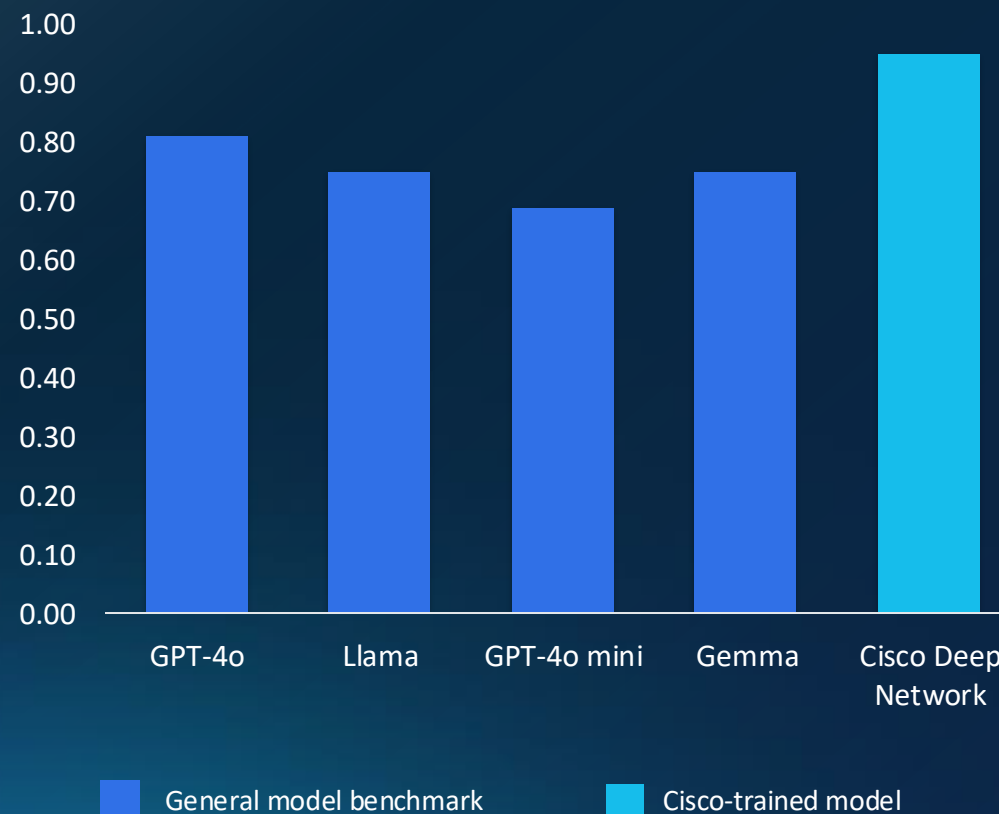
### Trusted Training

Fine-tuned on 40+ years of CiscoU and CCIE-level expertise.

### Continuous Learning

Evolves with live telemetry and real-world Cisco TAC and CX insights.

Outperforms general models by ~20%



Accuracy on CCIE-style MCQs (590-question benchmark, May 2025)

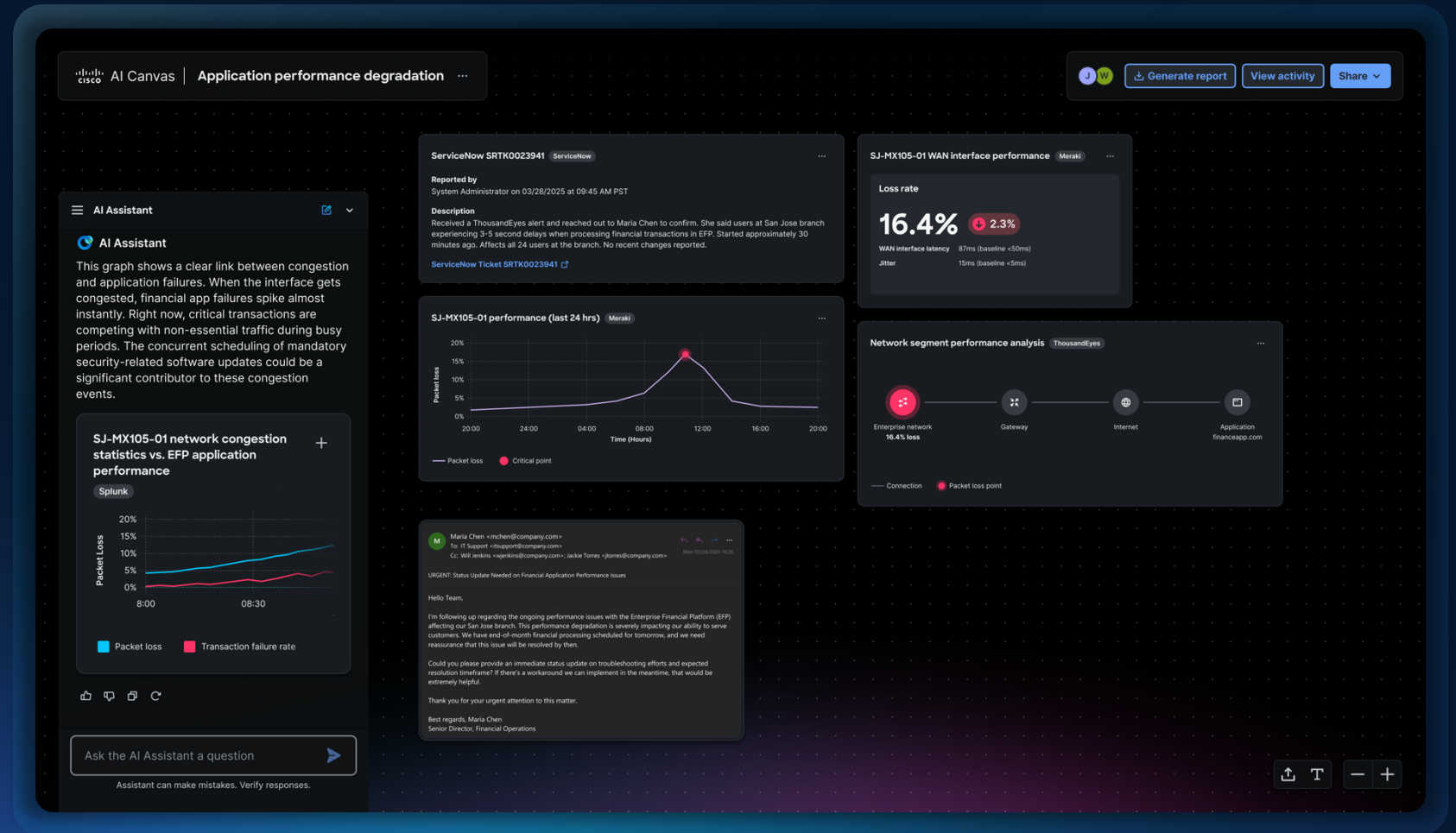


# AI Canvas

Troubleshooting and execution across multiple domains

Collaboration across multiple users (NetOps, SecOps and execs)

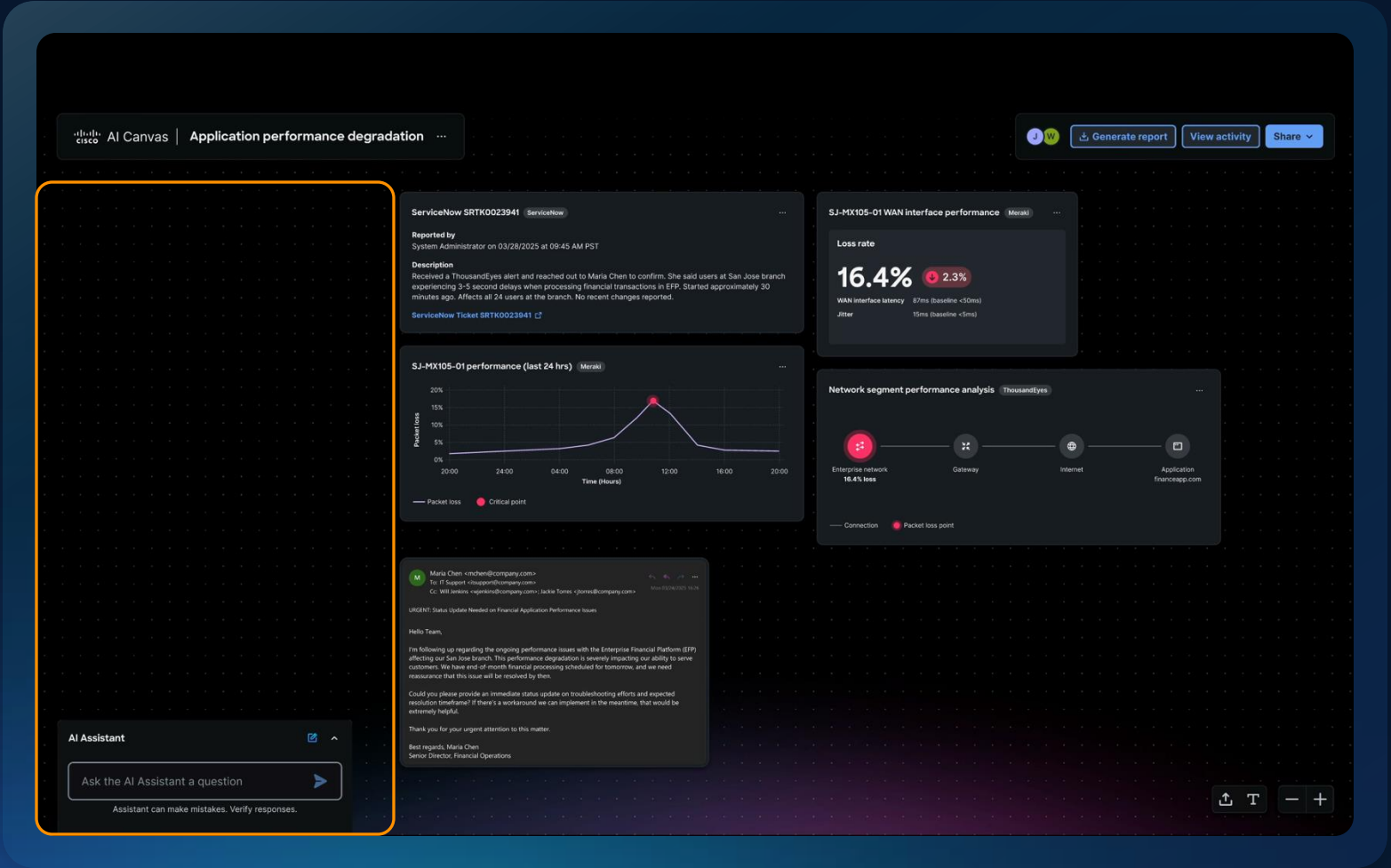
Built on the foundation of the Deep Network Model



# AI Assistant embedded in AI Canvas

Interface to ask and  
explore in natural language

Guides you through diagnostics,  
decisions, and action inside the  
Canvas



AI Canvas



AI Assistant



Ask the AI Assistant a question



Assistant can make mistakes. Verify responses.





## AI Assistant



You

get details from servicenow SRTK0023941



AI Assistant

ServiceNow  
SRTK0023941

ServiceNow



## ServiceNow Ticket Details:

**Reported by:** System Administrator on March 28, 2025 09:45 AM PST

**Issue:** Application performance degradation at Online Boutique - Chicago Branch

**Description:** Received a ThousandEyes alert and reached out to Maria Chen to confirm. She said users at branch experiencing frequent transaction failures and timeouts in EFP. Started approximately 30 minutes ago. Affects all 24 users at the branch. No recent changes reported.

**Affected Service:** Online Boutique Financial Service

**URL:** https://online-boutique-us-

Ask the AI Assistant a question



Assistant can make mistakes. Verify responses.

ServiceNow SRTK0023941

ServiceNow

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**Affected Service:** Online Boutique Financial Service

**URL:** https://online-boutique-us-chicago.com/transactions

**Incident Type:** Network Performance

**Priority:** P1

**ID:** 234945

**Automated diagnostics:** [Meraki Organization ID: 537758 Device Name: BRANCH-CHI-MDF1.1-MX68CW Thousand Eyes Test ID: 6927645 Thousand Eyes Agent Name: Chicago Thousand Eyes Account Group ID: 1204541 Thousand Eyes Test Start Date: 2025-05-04T01:16:00Z Thousand Eyes Test End Date: 2025-05-04T01:17:00Z application\_host\_name: online-boutique-us.splunko11y.com]


## AI Assistant

CHI-MDF1.1-MX68CW' and its loss and latency history data.

- Analyzed the Thousand Eyes Network Test Results for agent 'Chicago' and the Path Visualization Test Results data.
- Correlated metrics from Meraki and Thousand Eyes to identify consistent network issues.
- Key metrics observed: Meraki Loss: 32.44% to 42.78%, Latency: ~91 ms, Jitter: varied; Thousand Eyes Avg Latency: 238.0 ms, Jitter: 1.5 ms, Loss: 43.5%.

Remediation Suggestions : The path view confirms our internal network issue. This is completely within our control to fix. Here are some solutions you can implement immediately:

- Configure QoS on the MX device to prioritize the application traffic.
- Limit non-essential traffic during business hours.
- Add DSCP tags to application traffic for network-wide priority.

The end-to-end network analysis is complete. Act on the provided remediation suggestions. Please escalate to an expert if the problem still persists.



Ask the AI Assistant a question

Assistant can make mistakes. Verify responses.

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42.78% 5.04%

WAN interface latency 90.91ms (baseline < 50ms)

Jitter 1.1ms (baseline < 5ms)

BRANCH-CHI-MDF1.1-MX68CW - WAN interface performance (Last 24 hrs) Meraki



Network path performance analysis ThousandEyes





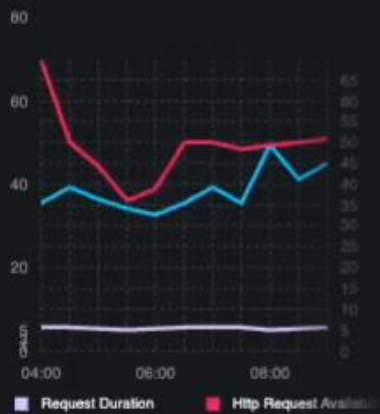
## AI Assistant

duration and availability metrics with the loss metrics and see if there is a correlation?

## AI Assistant

### D-CHI-MX68CW - Network Loss Statistics Vs Application Performance

Splunk



Ask the AI Assistant a question



Assistant can make mistakes. Verify responses.



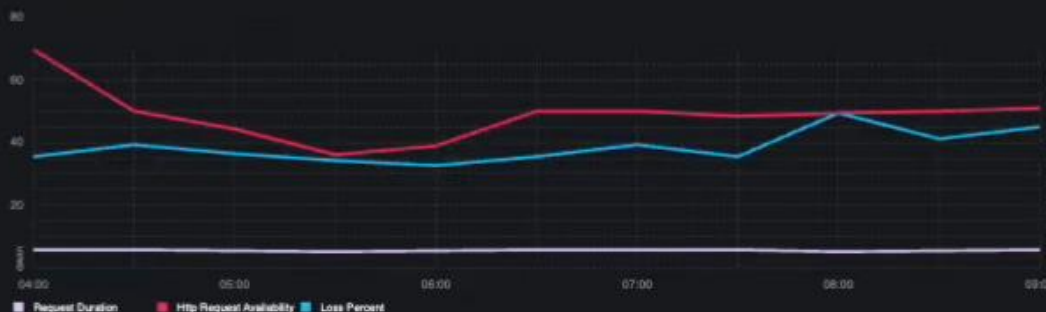
### Network path performance analysis

ThousandEyes



### D-CHI-MX68CW - Network Loss Statistics Vs Application Performance

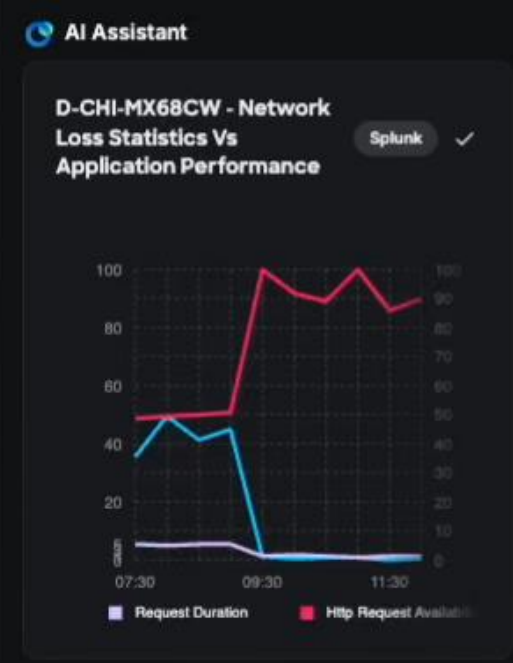
Splunk





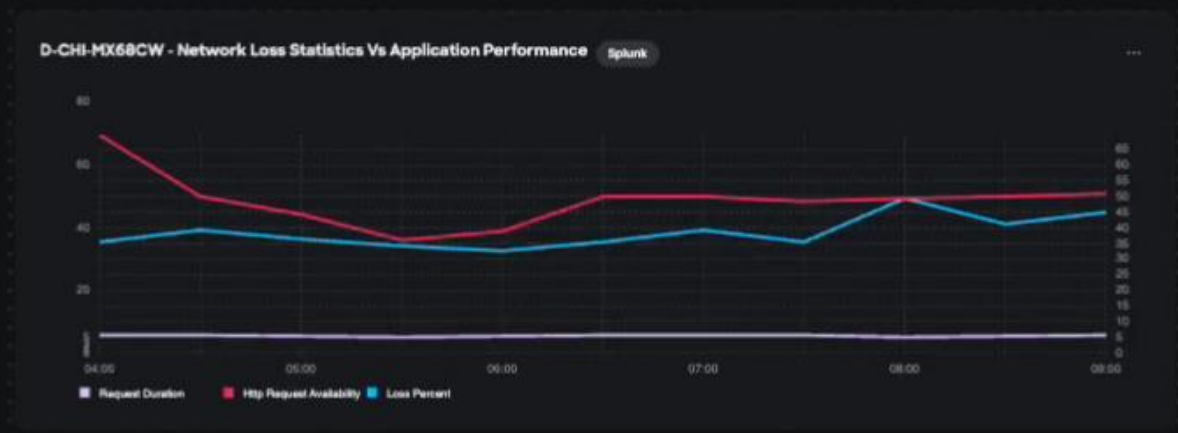
AI Assistant

Please track the improvement of the QoS update on correlation metrics chart.



Ask the AI Assistant a question

Assistant can make mistakes. Verify responses.



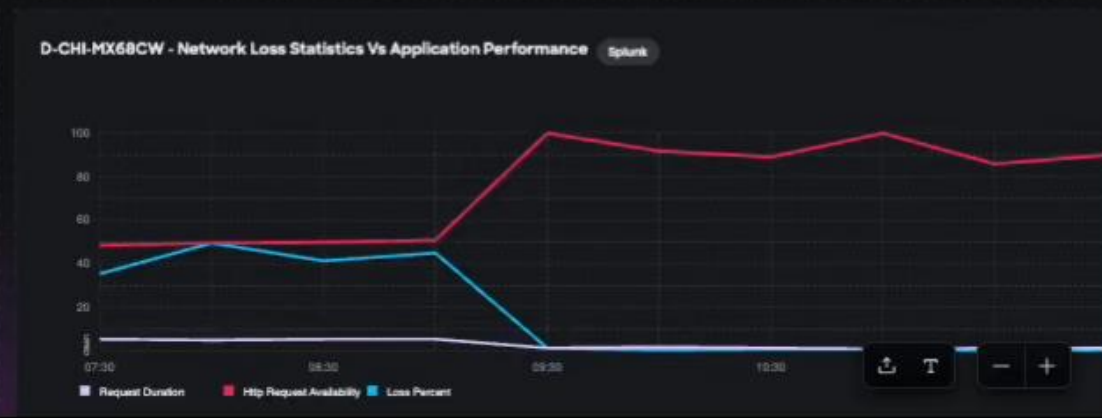
Quality of Service configuration

Meraki

QoS policy successfully applied to network.

Revert Change

Application/Service	Priority	Bandwidth allocation	Status
Software & anti-virus updates	low	1 MBps	active
online-boutique-us.splunkoTly.com	High	50 MBps	active



# Unified management to simplify operations

## PLATFORM

Management

Assurance

API / Integrations

Intelligence

## HARDWARE



Smart  
Switches



Secure  
Routers



Wireless



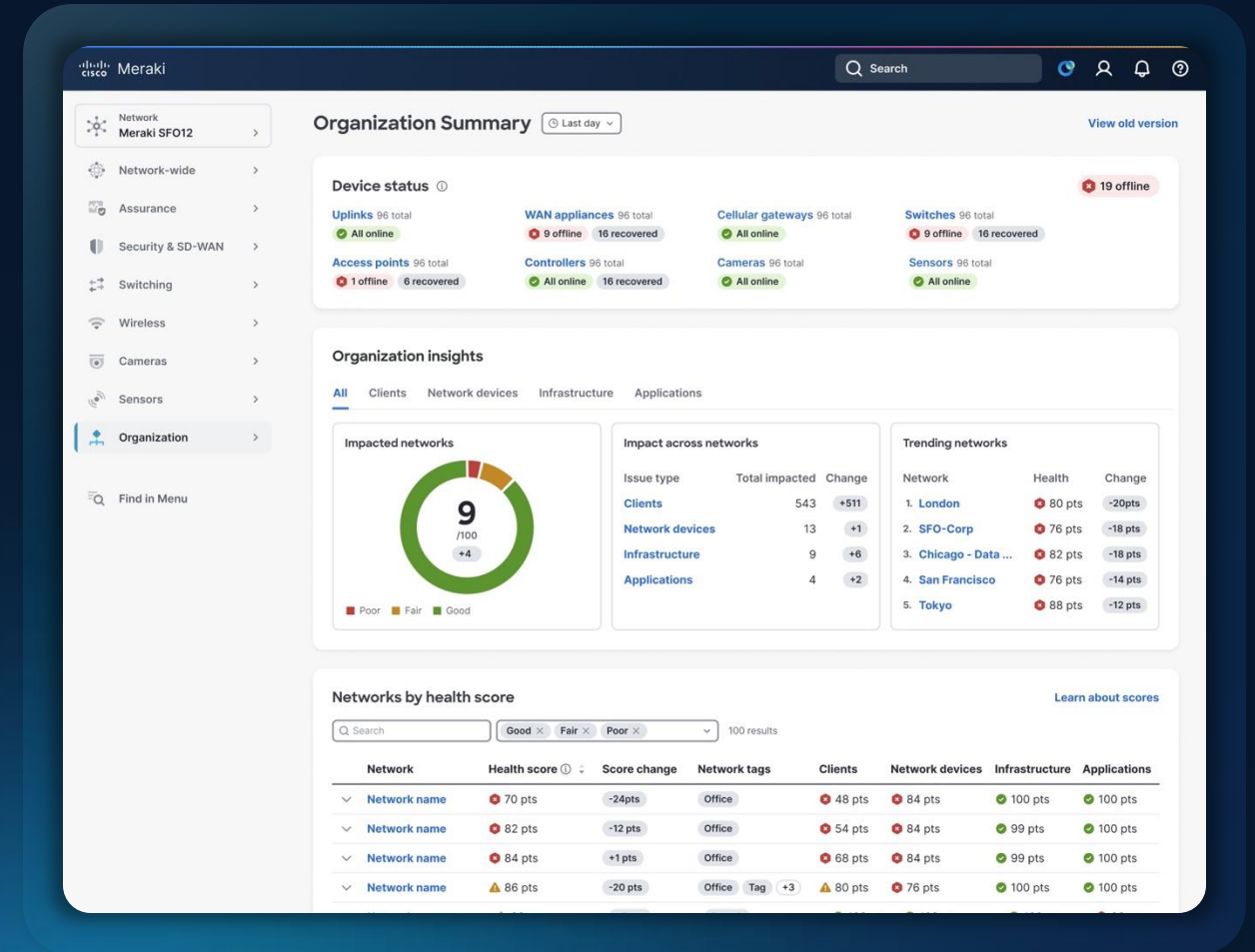
Industrial  
IoT

# Unified Management – Catalyst and Meraki, any environment

Seamless control across cloud, on-prem, or hybrid

New enterprise campus capabilities

AI-powered automation and assurance



# Expanded cloud management for Catalyst portfolio



## Wireless

Full wireless support  
Scale large campus wireless  
with Campus Gateway



## Switching

Expanded management for  
access and core switching,  
including C9200 and C9500



## Routing

Next-gen routing support  
coming



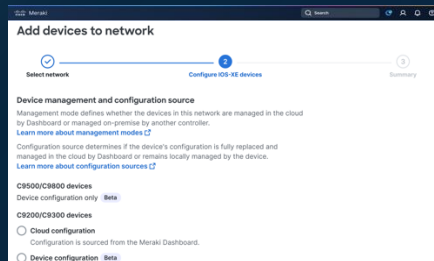
## Industrial IoT

Adding cloud  
management to our  
industrial switching  
portfolio with IE3500

Cloud management powered by cloud-native IOS XE

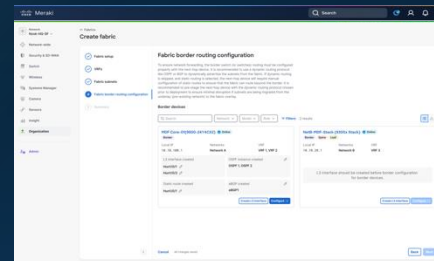
# Large campus cloud capabilities

## Powerful Switching Capabilities



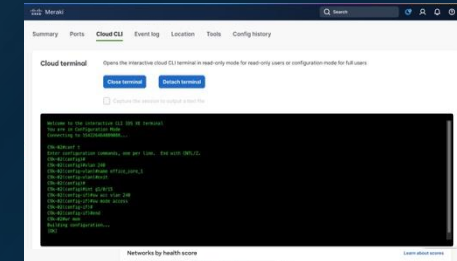
Support campus deployments with BGP, VRF, ISSU, and IOS XE stacking

## Fabric for Secure Networking



Simplify NetOps with a secure fabric and micro/macro-segmentation

## Cloud CLI for Flexibility

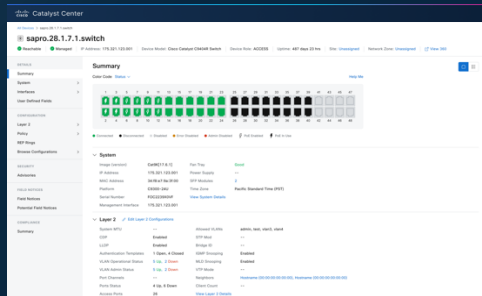


Simplify onboarding and flexibility with operating mode options and Cloud CLI



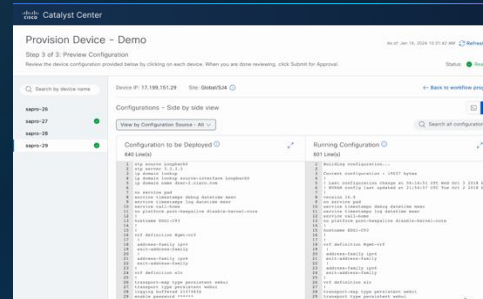
# Catalyst Center – simplifying Day 0/Day 1

## Brownfield Automation



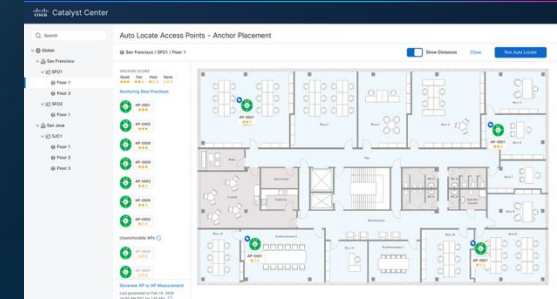
Enable device-by-device feature learning and configuration

## Visibility and Control



Provide review and approval process for any system or user-triggered configuration

## AP Auto-locate

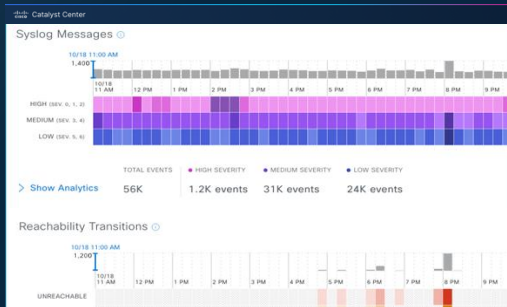


Improve accuracy of AP placements on maps to detect misplacements automatically



# Catalyst Center – simplifying Day N

## AI Event Analytics



Single-pane-of-glass view across all network events to facilitate visibility and analytics

## RBAC by Site

The screenshot displays the Catalyst Center 'Users and Roles' page, specifically the 'Access groups' tab. It shows a table of access groups with columns for 'Access group', 'Users', 'Role', 'Scope', and 'Description'. The table lists various access groups for different roles and scopes, such as 'SUPER-ADMIN-LOCAL', 'OBSERVER-LOCAL', 'NEW-ADMIN-LOCAL', 'Admins - R/S', 'IT Support - East', 'ADMIN-CUSTOM', 'Observer - R/S', 'Observer - SAC', 'Observer - SAN', and 'Observer - Security'.

Access group	Users	Role	Scope	Description
<input type="checkbox"/> SUPER-ADMIN-LOCAL	7	SUPER-ADMIN	Global	Access group for global access to the role SUPER-ADMIN
<input type="checkbox"/> OBSERVER-LOCAL	9	OBSERVER	Global	Access group for global access to the role OBSERVER
<input type="checkbox"/> NEW-ADMIN-LOCAL	10	NEW-ADMIN	Global	Access group for global access to the role NEW-ADMIN
<input type="checkbox"/> Admins - R/S	9	NEW-ADMIN	San Jose	Access group for scoped access to the role NEW-ADMIN
<input type="checkbox"/> IT Support - East	24	ADMIN-CUSTOM	San Jose, Miami	Access group for scoped access to the role NEW-ADMIN
<input type="checkbox"/> ADMIN-CUSTOM	19	ADMIN-CUSTOM	San Jose, Miami	Access group for scoped access to the role NEW-ADMIN
<input type="checkbox"/> Observer - R/S	6	OBSERVER	San Jose	Access group for scoped access to the role OBSERVER
<input type="checkbox"/> Observer - SAC	4	OBSERVER	San Jose	Access group for scoped access to the role OBSERVER
<input type="checkbox"/> Observer - SAN	10	OBSERVER	San Jose	Access group for scoped access to the role OBSERVER
<input type="checkbox"/> Observer - Security	9	OBSERVER	San Jose, Miami	Access group for scoped access to the role OBSERVER

Granular Role-Based Access Control based on Site Scope

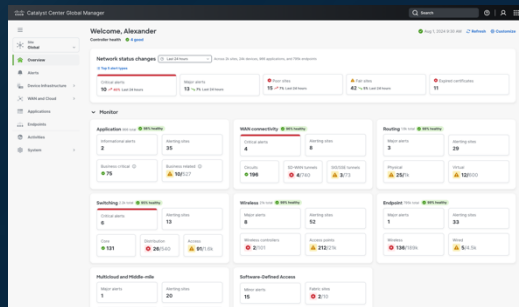
## Rule Based Compliance

The screenshot displays the Catalyst Center 'Rule Based Compliance' configuration page. It shows a form for adding a new condition and action. The 'Condition' section includes fields for 'Scope' (Configuration), 'Operator' (Contains the string), and 'Value' (Empty). The 'Action' section includes a 'Match' dropdown, a 'Violation severity' dropdown (Warning), and a 'Violation message type' dropdown (Default). There is also a 'Does not match' section with a 'Continue' button.

Custom compliance rules and to detect issues network-wide

# Additional Catalyst Center capabilities

## Catalyst Center Global Manager



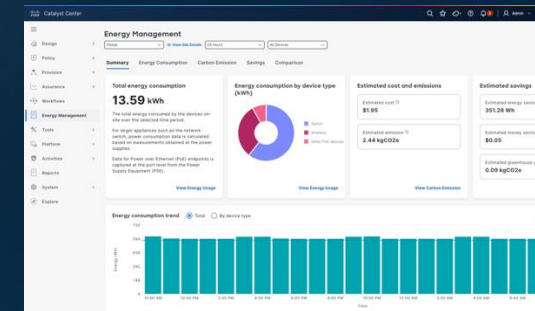
Streamline global network management from a single dashboard

## Virtual Appliance Support for Azure



Deploy a virtual appliance on Azure for operational flexibility

## Energy Management



Optimize energy usage and save costs with standardized energy metrics and insights

# Multilayered assurance to simplify operations

PLATFORM

Management

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API / Integrations

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HARDWARE



Smart  
Switches



Secure  
Routers

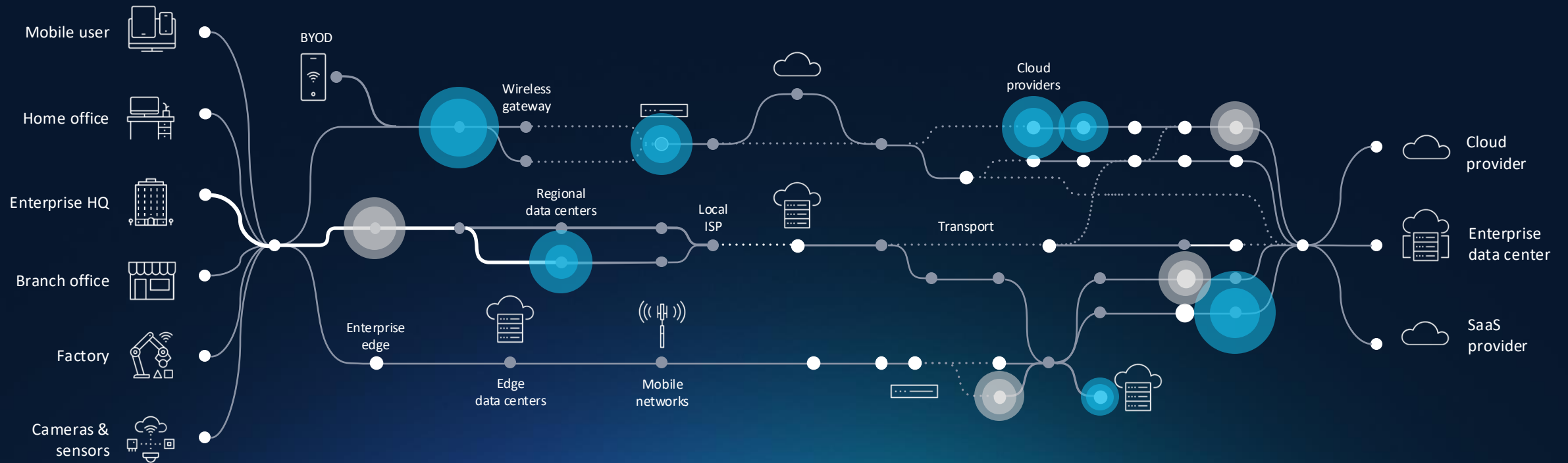


Wireless



Industrial  
IoT

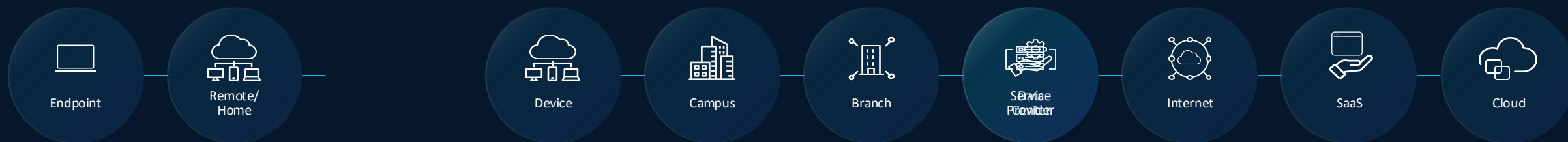
# Digital experiences span owned and unowned networks



# Assuring every digital experience



# Delivering multilayered assurance



Experiences now span mobile, cloud, and edge—visibility must follow

**Measure** where  
it matters

**See** every part  
of the path

**Contextualize**  
the source



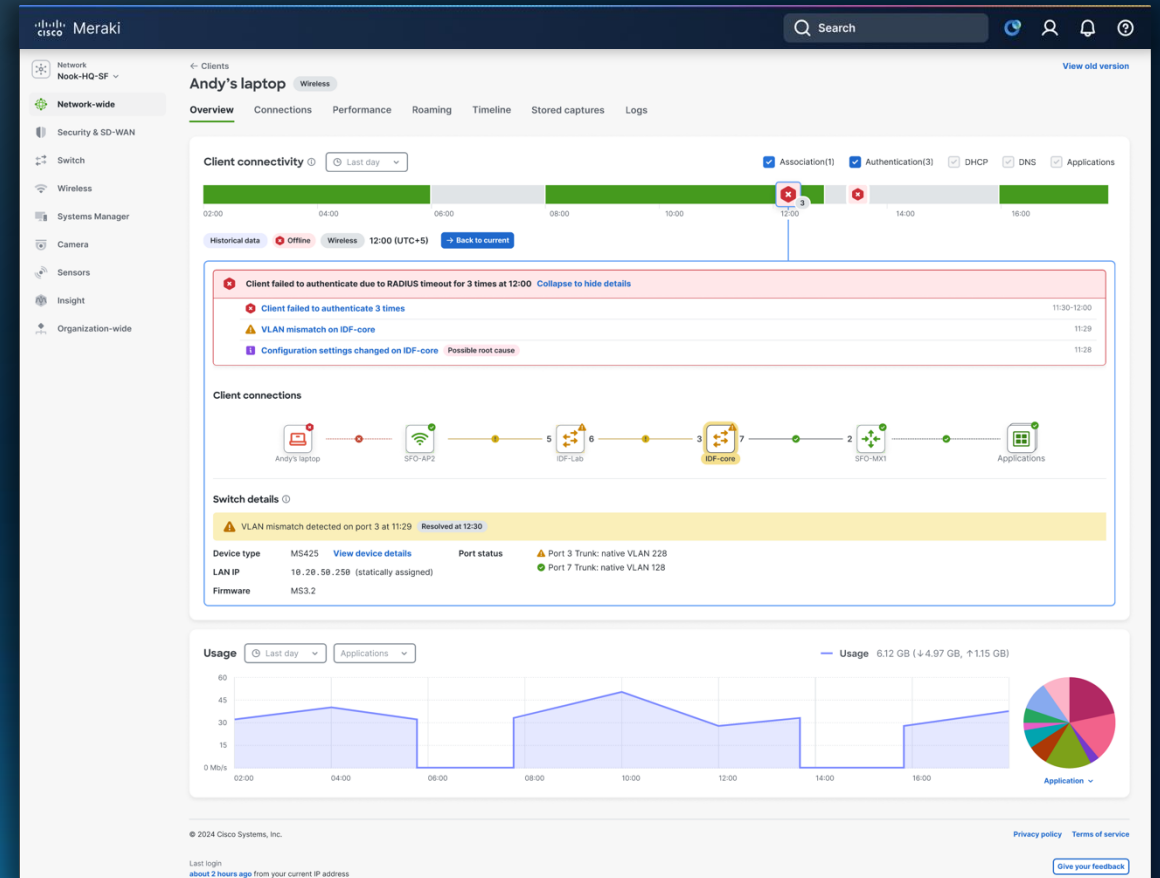
# Assurance across every digital experience

Deep visibility into both owned and unowned networks

AI-powered insights surface experience-impacting issues instantly

Closed-loop workflows trigger automated remediation

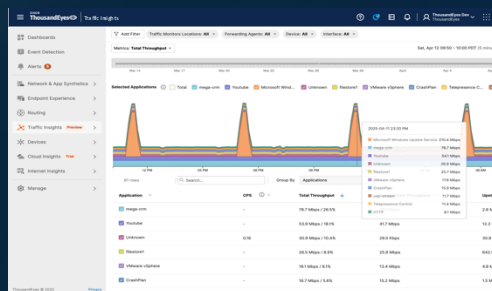
AI Assistant accelerates root cause analysis end-to-end





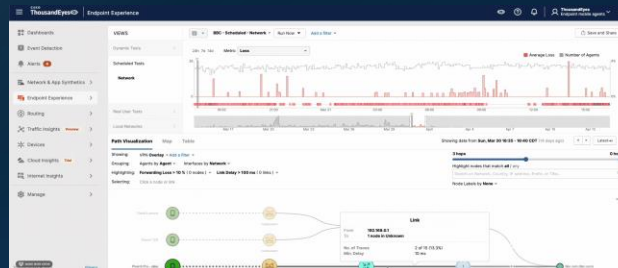
# Deep visibility from campus to mobile to industrial

## ThousandEyes Traffic Insights



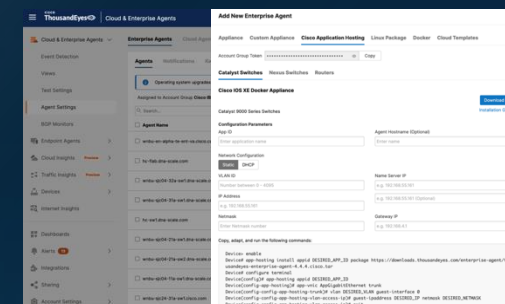
Smarter visibility and planning for enterprise networks

## ThousandEyes Mobile endpoints



Extends Assurance to mobile endpoints

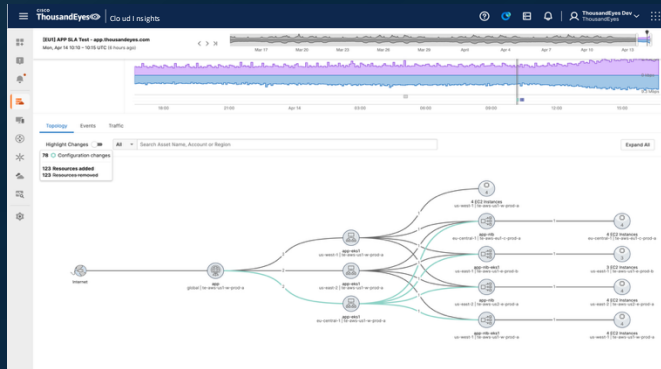
## ThousandEyes Industrial Devices



Assurance for the industry's largest Industrial IoT portfolio

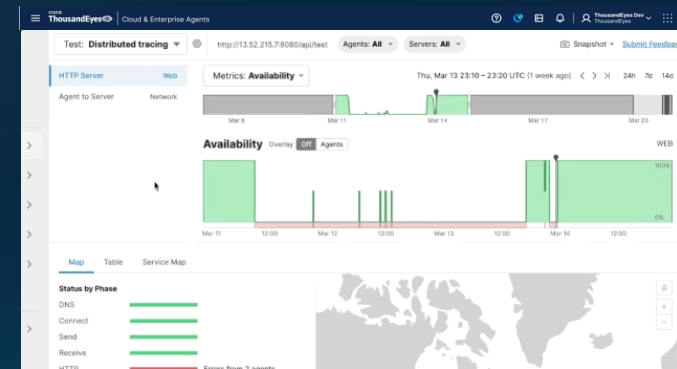
# End-to-end insight from public clouds to app paths

## ThousandEyes Cloud Insights



Deeper visibility into Microsoft Azure (new) and AWS environments

## ThousandEyes + Splunk



End-to-end app to network assurance

# APIs and Apps to automate operations

PLATFORM

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# Cisco Networking APIs and integrations



1,600+

API Endpoints

500 new APIs  
launched in 2024

90K

API Customers

+25% YoY

15B+

API Calls

+70% YoY



Security APIs

Network configuration  
Monitoring  
Automation  
SD-WAN, ACI



Networking APIs

Security policy enforcement  
Threat intelligence integration



Collaboration APIs

Webex  
Meeting customization and  
integration



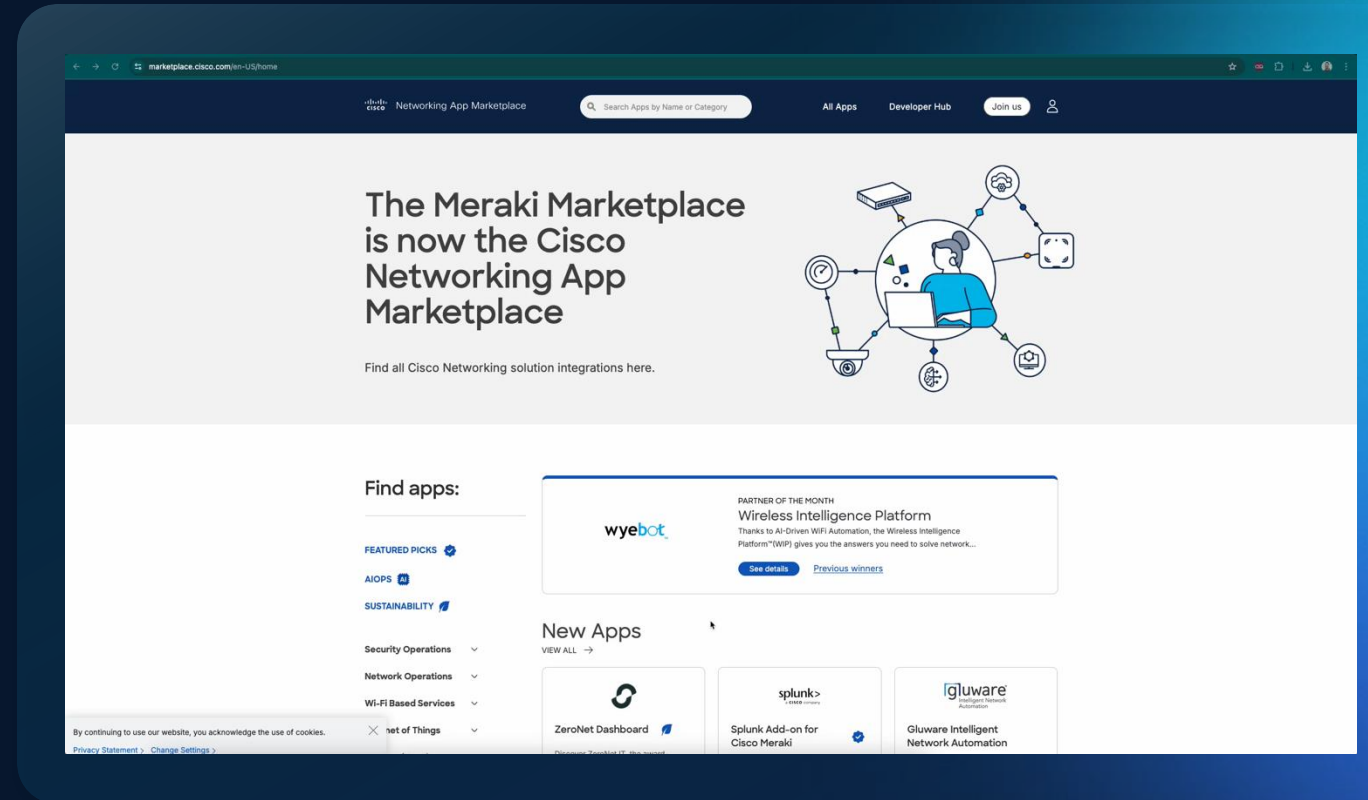
# Announcing Cisco Networking App Marketplace

Largest exclusive catalog of turnkey apps to unlock new business outcomes

350+ apps offer custom-built automation, insight and security

APIs integrate workflows across all Cisco platforms

AI-driven apps drive operational efficiency



servicenow

splunk>  
a cisco company

algosec

ekahau

Terraform

PagerDuty

Red Hat

ANSIBLE

Boundless

LogicMonitor

splash  
access.

# A platform strategy that meets customers where they are



Cloud



On-prem



Hybrid

ONE HARDWARE | ONE LICENSE | ONE SUPPORT

Thank you

